

**STORM SEWER STRUCTURE SCHEDULE**

1) STA: 92+80 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 683.46 12" N FL OUT = 680.46	16A) STA: 88+15 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.14 12" N FL IN = 678.09 12" E FL IN = 677.76 12" W FL OUT = 677.76 16A-16: 10 LF 12" RCP @ 1.00% 16A-18: 40 LF 12" RCP @ 0.50%	32) STA: 82+41 37' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.07 12" N FL IN = 676.79 12" W FL OUT = 676.79 32-33: 37 LF 12" RCP @ 1.00%	55) STA: 31+10 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.16 12" S FL IN = 675.65 12" N FL OUT = 675.65 55-56: 43 LF 12" RCP @ 1.00%	83) STA: 24+27 30' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.00 15" E FL IN = 678.10 15" W FL OUT = 678.10 83-84: 28 LF 15" RCP @ 0.32%
2) STA: 92+90 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 683.51 12" S FL IN = 680.36 12" W FL OUT = 680.36 2-1: 10 LF 12" RCP @ 1.00%	17) STA: 88+50 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.31 12" S FL OUT = 678.31	33) STA: 82+78 37' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.16 12" S FL OUT = 677.16	56) STA: 31+10 23' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.10 12" E FL IN = 676.08 12" N FL OUT = 676.08 56-57: 10 LF 12" RCP @ 1.00%	84) STA: 24+55 30' RT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID T/RIM = 681.25 12" N FL IN = 678.27 12" E FL IN = 678.19 15" W FL OUT = 678.19 84-85: 10 LF 12" RCP @ 0.50% 84-89: 140 LF 12" RCP @ 0.30%
3) STA: 93+00 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 683.56 12" S FL OUT = 680.56	18) STA: 88+15 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.14 12" N FL IN = 677.96 12" S FL IN = 677.98 12" W FL OUT = 677.96 18-17: 35 LF 12" RCP @ 1.00% 18-19: 10 LF 12" RCP @ 1.00%	34) STA: 81+10 30' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 680.09 15" E FL IN = 674.68 30" N FL IN = 675.94 30" S FL OUT = 674.68 34-35: 10 LF 15" RCP @ 0.50% 34-31: 131 LF 30" RCP @ 0.14%	57) STA: 31+20 22' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.18 12" W FL OUT = 676.18	85) STA: 24+55 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.32 12" E FL IN = 678.32 12" N FL IN = 678.32 12" S FL OUT = 678.32 85-86: 10 LF 12" RCP @ 1.00% 85-87: 40 LF 12" RCP @ 0.50%
4) STA: 92+90 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 683.51 12" N FL IN = 680.46 12" E FL IN = 679.96 12" W FL OUT = 679.96 4-3: 10 LF 12" RCP @ 1.00% 4-2: 40 LF 12" RCP @ 1.00%	19) STA: 88+05 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.08 12" N FL OUT = 678.08	35) STA: 81+10 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.54 15" E FL IN = 674.73 15" W FL OUT = 674.73 35-36: 43 LF 15" RCP @ 0.50%	58-68) NOT USED	86) STA: 24+65 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.37 12" W FL OUT = 678.42
5) STA: 92+90 30' LT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 684.06 12" E FL IN = 679.86 15" N FL IN = 679.76 18" S FL OUT = 679.76 5-4: 10 LF 12" RCP @ 1.00% 5-155: 110 LF 15" RCP @ 0.32%	20) STA: 86+90 30' LT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 681.20 12" E FL IN = 677.50 24" N FL IN = 677.49 24" S FL OUT = 677.49 20-21: 10 LF 12" RCP @ 0.50% 20-15: 125 LF 24" RCP @ 0.18%	36) STA: 81+10 23' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.48 EX. 12" N FL IN = 674.94 12" E FL IN = 676.90 15" W FL OUT = 674.94 36-37: 5 LF 12" RCP @ 1.00%	69) STA: 17+45 60' RT 24" RCP FES = 676.73 69-70: 335 LF 24" RCP @ 0.18%	87) STA: 24+55 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.32 12" E FL IN = 678.52 12" S FL OUT = 678.52 87-88: 10 LF 12" RCP @ 1.00%
6) STA: 91+00 30' LT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 683.11 12" E FL IN = 679.01 18" N FL IN = 679.27 18" S FL OUT = 679.01 6-7: 10 LF 12" RCP @ 1.00% 6-5: 190 LF 18" RCP @ 0.26%	21) STA: 86+90 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.65 12" N FL IN = 677.55 12" E FL IN = 677.55 12" W FL OUT = 677.55 21-22: 10 LF 12" RCP @ 1.00% 21-23: 40 LF 12" RCP @ 0.50%	37) STA: 81+10 28' RT 2' DIA. TYPE 'A' INLET W/TYPE 1 FRAME, OPEN LID T/RIM = 679.12 12" W FL OUT = 676.95	70) STA: 20+80 30' RT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID T/RIM = 680.68 12" N FL IN = 679.10 24" E FL IN = 677.33 24" W FL OUT = 677.33 70-71: 10 LF 12" RCP @ 1.00% 70-75: 210 LF 24" RCP @ 0.18%	88) STA: 24+65 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.37 12" W FL OUT = 678.62
7) STA: 91+00 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.56 12" N FL IN = 679.51 12" E FL IN = 679.11 12" W FL OUT = 679.11 7-8: 10 LF 12" RCP @ 1.00% 7-9: 40 LF 12" RCP @ 1.00%	22) STA: 87+00 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.65 12" S FL OUT = 677.65	38) STA: 80+71 45' RT 3' DIA. TYPE 'B' INLET W/TYPE 1 FRAME, CLOSED LID T/RIM = 679.58 EX. 8" W FL IN = 675.36 12" S FL OUT = 675.36	71) STA: 20+80 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.61 12" N FL IN = 679.20 12" S FL OUT = 679.20 71-73: 40 LF 12" RCP @ 1.00%	89) STA: 25+95 30' RT 2' DIA. TYPE 'A' INLET W/TYPE 1 FRAME, OPEN LID EOP = 680.18 12" W FL OUT = 678.61
8) STA: 91+10 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.61 12" S FL OUT = 679.61	23) STA: 86+90 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.65 12" S FL IN = 677.75 12" W FL OUT = 677.75 23-24: 10 LF 12" RCP @ 1.00%	39) STA: 80+31 52' RT 8' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 678.73 12" NW FL IN = 674.94 53"x34" E FL IN = 673.41 42" S FL OUT = 673.27 39-40: 10 LF 12" RCP @ 1.00% 39-54: 57 LF 53"x34" ELLIP RCP @ 0.20%	72) NOT USED	90-92) NOT USED
9) STA: 91+00 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.56 12" N FL IN = 679.51 12" W FL OUT = 679.51 9-10: 10 LF 12" RCP @ 1.00%	24) STA: 86+80 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.65 12" N FL OUT = 677.85	40) STA: 80+38 45' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 678.64 12" N FL IN = 675.04 12" SE FL OUT = 675.04 40-38: 32 LF 12" RCP @ 1.00%	73) STA: 20+80 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.65 12" W FL IN = 679.60 12" S FL OUT = 679.60 73-74: 10 LF 12" RCP @ 1.00%	93) STA: 29+20 20' RT 5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 679.49 12" W FL IN = 676.50 30" N FL IN = 674.09 30" SE FL OUT = 674.09 93-94: 10 LF 12" RCP @ 1.00% 93-95: 48 LF 30" RCP @ 0.20%
10) STA: 91+10 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.61 12" S FL OUT = 679.61	25) STA: 84+10 30' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 680.90 15" E FL IN = 676.81 24" N FL IN = 676.87 30" S FL OUT = 676.57 25-26: 10 LF 15" RCP @ 0.50% 25-20: 280 LF 24" RCP @ 0.22%	41-47) NOT USED	74) STA: 20+70 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 682.70 12" E FL OUT = 679.70	94) STA: 29+10 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.60 12" E FL OUT = 676.60
11) STA: 89+70 30' LT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 682.46 12" E FL IN = 678.36 18" N FL IN = 678.54 24" S FL OUT = 678.36 11-12: 10 LF 12" RCP @ 1.00% 11-6: 130 LF 18" RCP @ 0.36%	26) STA: 84+10 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.35 12" N FL IN = 677.25 12" E FL IN = 676.86 15" W FL OUT = 676.86 26-27: 10 LF 12" RCP @ 1.00% 26-28: 40 LF 12" RCP @ 0.60%	48) STA: 34+65 28' RT 2' DIA. TYPE 'A' INLET W/TYPE 1 FRAME, OPEN LID T/RIM = 679.10 12" N FL OUT = 678.26	75) STA: 22+90 30' RT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 682.19 12" N FL IN = 678.05 18" E FL IN = 677.71 24" W FL OUT = 677.71 75-76: 10 LF 12" RCP @ 1.00% 75-80: 79 LF 18" RCP @ 0.26%	95) STA: 29+20 28' LT 6' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 679.36 12" W FL IN = 676.38 30" E FL IN = 674.47 30" S FL OUT = 674.18 95-96: 10 LF 12" RCP @ 1.00% 95-97: 46 LF 30" RCP @ 0.18%
12) STA: 89+70 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.91 12" E FL IN = 678.46 12" W FL OUT = 678.46 12-13: 40 LF 12" RCP @ 1.00%	27) STA: 84+20 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.35 12" S FL OUT = 677.35	49) STA: 34+65 28' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID T/RIM = 679.87 12" S FL IN = 677.70 42" W FL OUT = 674.16 49-48: 56 LF 12" RCP @ 1.00%	76) STA: 22+90 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.64 12" W FL IN = 678.58 12" N FL IN = 678.15 12" S FL OUT = 678.15 76-77: 10 LF 12" RCP @ 1.00% 76-78: 40 LF 12" RCP @ 1.00%	96) STA: 29+10 26' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 679.48 12" E FL OUT = 676.48
13) STA: 89+70 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.91 12" N FL IN = 678.86 12" W FL OUT = 678.86 13-14: 10 LF 12" RCP @ 1.00%	28) STA: 84+10 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.35 12" N FL IN = 677.25 12" E FL IN = 677.10 12" W FL OUT = 677.10 28-29: 10 LF 12" RCP @ 1.00% 28-30: 6 LF 12" RCP @ 1.00%	50) STA: 33+05 28' LT 6' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID T/RIM = 678.75 12" S FL IN = 676.61 42" E FL IN = 673.88 53"x34" W FL OUT = 673.88 50-51: 8 LF 12" RCP @ 1.00% 50-49: 160 LF 42" RCP @ 0.18%	77) STA: 22+80 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.68 12" E FL OUT = 678.68	97) STA: 80+45 36' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 678.64 30" NE FL IN = 674.55 30" W FL OUT = 674.55 97-98: 10 LF 30" RCP @ 0.18%
14) STA: 89+80 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.96 12" S FL OUT = 678.96	29) STA: 84+20 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.35 12" S FL OUT = 677.35	51) STA: 33+05 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.14 12" S FL IN = 676.69 12" N FL OUT = 676.69 51-52: 40 LF 12" RCP @ 1.00%	78) STA: 22+90 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.60 12" W FL IN = 678.55 12" S FL OUT = 678.55 78-79: 10 LF 12" RCP @ 1.00%	98) STA: 80+53 30' LT 6' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 678.81 30" N FL IN = 674.57 30" SW FL OUT = 674.57 98-34: 57 LF 30" RCP @ 0.18%
15) STA: 88+15 30' LT 4' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 681.69 12" E FL IN = 677.71 24" N FL IN = 676.08 24" S FL OUT = 677.71 15-16A: 10 LF 12" RCP @ 0.50% 15-11: 155 LF 24" RCP @ 0.18%	30) STA: 84+10 26' RT 2' DIA. TYPE 'A' INLET W/TYPE 1 FRAME, OPEN LID T/RIM = 679.08 12" W FL OUT = 677.16	52) STA: 33+05 20' RT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.14 12" E FL IN = 677.09 12" N FL OUT = 677.09 52-53: 10 LF 12" RCP @ 1.00%	79) STA: 22+80 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.65 12" E FL OUT = 678.65	99) NOT USED
16) STA: 88+25 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.19 12" S FL OUT = 678.19	31) STA: 82+41 30' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, CLOSED LID T/RIM = 680.93 12" E FL IN = 676.12 30" N FL IN = 676.34 30" S FL OUT = 676.12 31-32: 67 LF 12" RCP @ 1.00% 31-25: 169 LF 30" RCP @ 0.14%	53) STA: 33+15 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 680.19 12" W FL OUT = 677.19	80) STA: 23+69 30' RT 4' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 681.17 12" NE FL IN = 677.96 15" E FL IN = 677.92 18" W FL OUT = 677.92 80-81: 55 LF 12" RCP @ 0.70% 80-83: 58 LF 15" RCP @ 0.32%	100) STA: 79+15 27' LT 5' DIA. TYPE 'A' MANHOLE W/TYPE 3 FRAME AND GRATE EOP = 678.42 12" E FL IN = 674.95 30" NW FL IN = 673.92 36" S FL OUT = 673.92 100-101: 47 LF 12" RCP @ 1.00% 100-93: 83 LF 30" RCP @ 0.20%
		54) STA: 31+10 28' LT 6' DIA. TYPE 'A' MANHOLE W/TYPE 1 FRAME, OPEN LID T/RIM = 678.10 12" S FL IN = 675.57 53"x34" E FL IN = 673.52 53"x34" W FL OUT = 673.52 54-55: 8 LF 12" RCP @ 1.00% 54-50: 195 LF 53"x34" ELLIP RCP @ 0.18%	81) STA: 23+90 20' LT 3' DIA. TYPE 'B' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.19 12" E FL IN = 678.34 12" SW FL OUT = 678.34 81-82: 10 LF 12" RCP @ 1.00%	101) STA: 79+15 20' RT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 678.42 12" W FL OUT = 675.42
			82) STA: 24+00 20' LT 2' DIA. TYPE 'A' INLET W/TYPE 3 FRAME AND GRATE EOP = 681.19 12" W FL OUT = 678.44	101A) STA: 79+00 37' RT 42" RCP FES = 673.01 101A-39: 132 LF 42" RCP @ 0.20%

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	KANKAKEE	59	9

CONTRACT NO. 87252  
FED. ROAD DIST. NO. ILLINOIS  
FED. AID PROJECT

\* RONNIE GRAY DRIVE (6502)  
MAPLE STREET (6512)  
\*\* 00-00054-00-FP

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
LAND SURVEYORS  
DESIGN FIRM LICENSE #184-001136  
367 SOUTH SCHUYLER AVENUE  
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	10/30/09	MRG	PER IDOT REVIEW

STORM SEWER  
STRUCTURE SCHEDULE

VILLAGE OF MANTENO  
**MAPLE STREET AND RONNIE GRAY DRIVE IMPROVEMENTS**  
MANTENO, ILLINOIS

SECTION	
00-00054-00-FP	
DATE:	9/25/09
SCALE:	N/A
DRAWN BY:	MRG
CHECKED BY:	SRM
JOB NO.	E06030
FILE NO.	
SHEET	<b>9</b>